

# Site-specific

## Fish Equation Inputs for Fish

ENCLOSURE 1B

Variable	Value
TR (target cancer risk) unitless	1.0E-6
THQ (target hazard quotient) unitless	1
AT (averaging time)	365
EF <sub>rec-a</sub> (exposure frequency) days/yr	20
ED <sub>rec</sub> (exposure duration) yr	26
LT (lifetime) yr	70
BW <sub>rec-a</sub> (body weight) kg	80
IRF <sub>res-a</sub> (fish consumption rate) mg/day	228

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## Fish Screening Levels (RSL) for Fish

Key: I = IRIS; P = PPRTV; D = DWSHA; O = OPP; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST; F = See FAQ; J = New Jersey; E = see user guide Section 2.3.5; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; n = noncancer; \* = where: n SL < 100X c SL; \*\* = where n SL < 10X c SL; SSL values are based on DAF=1; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide)

Chemical	CAS Number	Mutagen?	VOC?	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Ref	Chronic RfD (mg/kg-day)	Chronic RfD Ref	Ingestion SL TR=1.0E-6 (mg/kg)	Ingestion SL THQ=1 (mg/kg)	Screening Level (mg/kg)
Arsenic, Inorganic	7440-38-2	No	No	1.50E+00	I	3.00E-04	IR	1.15E+01	1.92E+03	1.15E+01 ca
Copper	7440-50-8	No	No	-		4.00E-02	HE	-	2.56E+05	2.56E+05 nc
Dichlorobenzene, 1,2-	95-50-1	No	Yes	-		9.00E-02	IR	-	5.76E+05	5.76E+05 nc
Zinc and Compounds	7440-66-6	No	No	-		3.00E-01	IR	-	1.92E+06	1.92E+06 nc

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Fish Risk for Fish

Chemical	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Ref	Chronic RfD (mg/kg-day)	Chronic RfD Ref	Concentration (mg/kg)	Ingestion Risk	Ingestion THQ=1
Arsenic, Inorganic	1.50E+00	I	3.00E-04	IR	1.08	9.40E-08	5.62E-04
Copper	-		4.00E-02	HE	1.34	-	5.23E-06
Dichlorobenzene, 1,2-	-		9.00E-02	IR	0.79	-	1.37E-06
Zinc and Compounds	-		3.00E-01	IR	23.1	-	1.20E-05
<i>*Total Risk/HI</i>	-		-		-	<i>9.40E-08</i>	<i>5.81E-04</i>